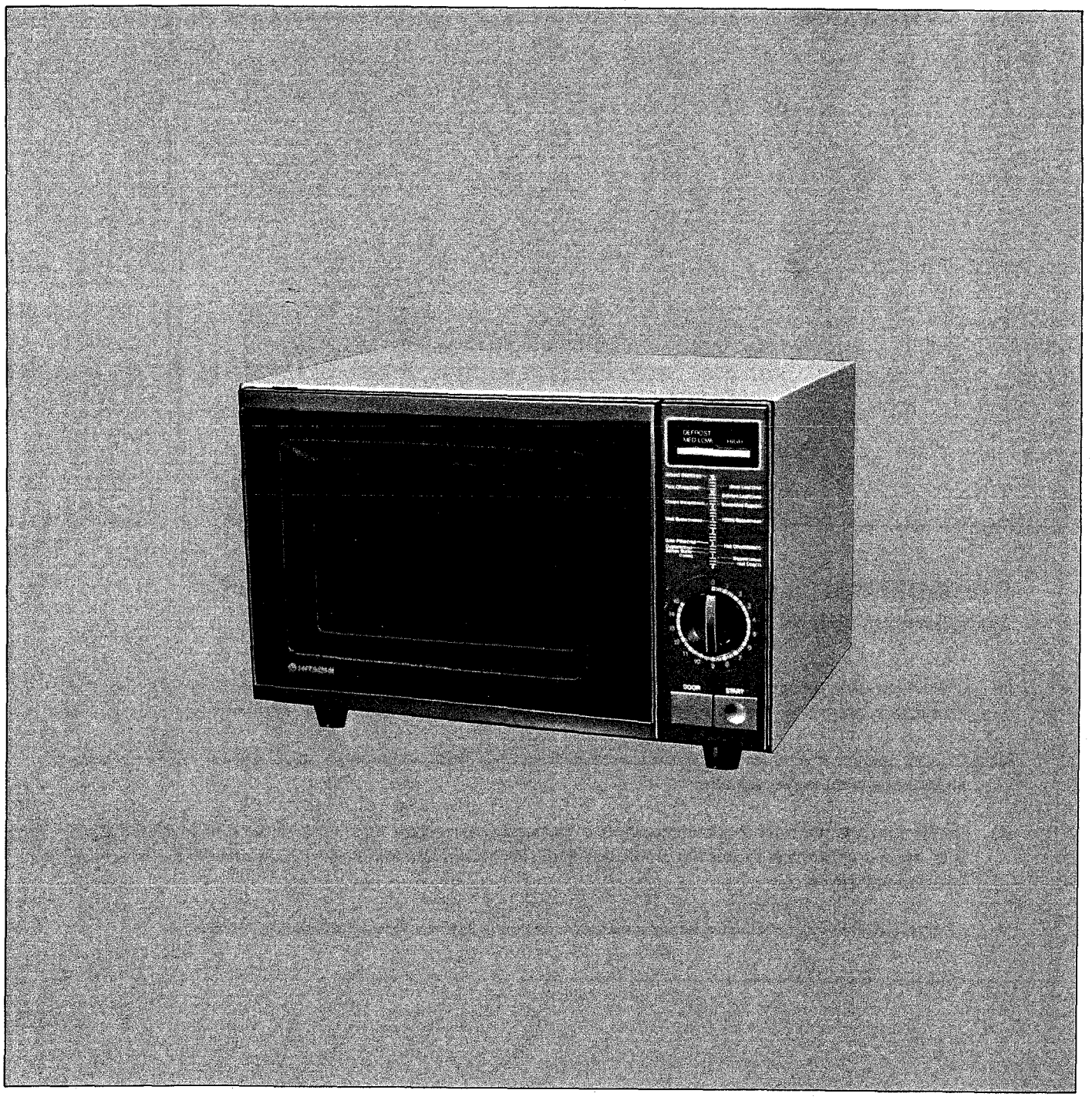
HITACHI

MICROWAVE OVEN
MR-5220

OPERATING GUIDE



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PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

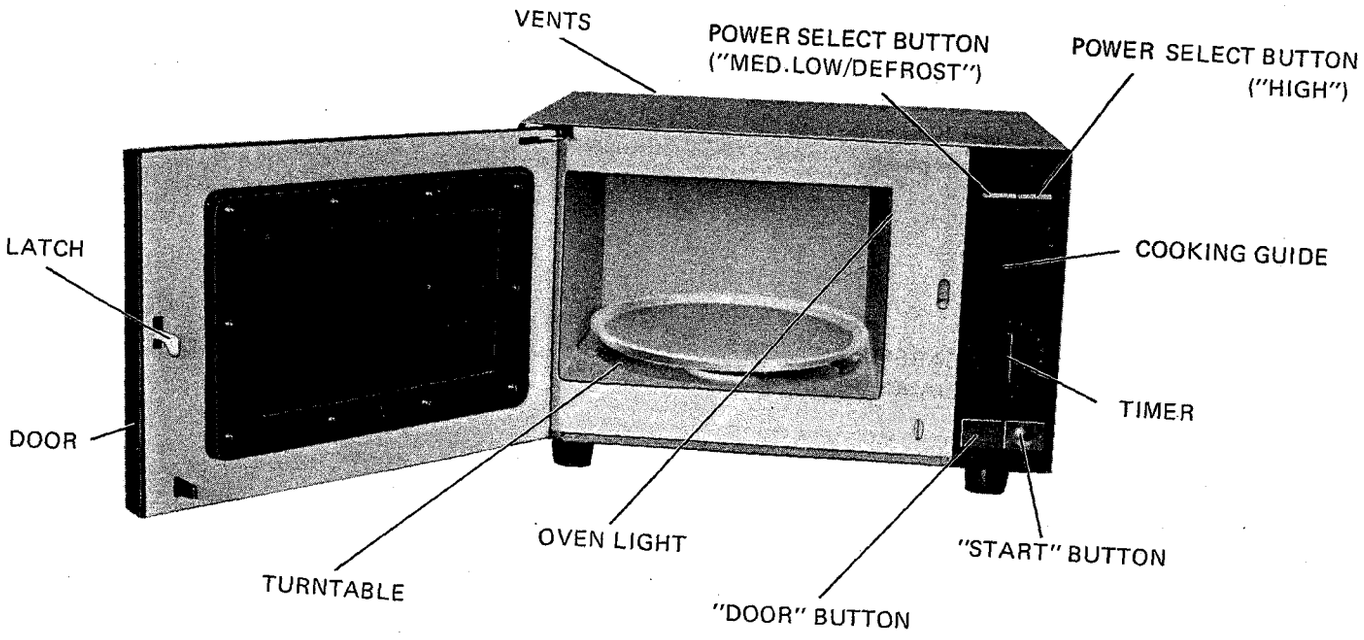
(a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

(b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.

(c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the: (1) Door (bent), (2) Hinges and latches (broken or loosened), (3) Door seals and sealing surfaces.

(d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

FEATURE DIAGRAM



INSTALLATION

* Place the microwave oven in an area where the air temperature will be less than 104°F (40°C). Although such a high air temperature is rarely encountered, avoid placing the oven near a range or other heat generating equipment.

* Install the microwave oven in a properly ventillated room, and avoid placing the oven where humidity is high.

* The microwave oven should be placed far enough from a radio-TV antenna or feeder to insure interference free reception.

* Plug the microwave into its own electrical circuit. If the oven is on a circuit with other appliances, cooking times may need to be increased or a fuse may blow out.

* Extension cords are not recommended for proper installation. Power is reduced and safety hazards exist when using an extension cord. However, if you must use an extension cord be sure it is a 3-prong grounding cord with a rating of 15 amps.

* The 3-prong power supply cord should be securely plugged into the wall receptacle.

* Allow at least 2" clearance at the back of the microwave oven for air exhaust. This area should be kept free from objects that may interfere with exhaust.

* Place the microwave oven on a stable base. Because the oven is relatively heavy, it should be installed on a flat stable base to prevent vibration.

POWER SOURCE

The power consumption for the microwave oven is 990 watts. Please connect it only to high capacity appliance outlets providing 120 volts, 60 Hz with a minimum current rating of 15 amps.

If this oven, or several high power consumption appliances are connected, at the same time, to an AC receptacle line with inadequate capacity, the circuit breaker or fuse for that power line may open, causing loss of power.

If you are uncertain of the current rating of your appliance outlets, please have them checked by a qualified electrician.

GROUNDING

IMPORTANT – PLEASE READ CAREFULLY FOR PERSONAL SAFETY. THIS APPLIANCE MUST BE PROPERLY GROUNDED.

The power cord on this appliance is equipped with a three-prong (grounding) plug which mates with standard three-prong (grounding) wall receptacle.

DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER CORD PLUG.

FOR BEST RESULTS IN OVEN OPERATION

1. Do not operate the oven empty. The magnetron tube is protected against overheating, however operating the oven empty causes wear on the magnetron tube, and excess unnecessary use is not beneficial.
2. Do not pull on or hang anything over the oven door.
3. Do not use metal cookware, utensils or dinnerware with metal trim. Arcing can occur, damaging the oven and dish.
4. Do not use a conventional metal thermometer while cooking. Instead, stop the oven, remove the food and check the temperature. Remove the thermometer before resuming cooking. Many stores now carry thermometers that are specifically made for use in microwave ovens. These thermometers may be used during operation.
5. Do not place food, particularly foods with a high fat content, directly on the turntable. Place the food in a dish, then put it on the turntable in the oven.
6. Although it is very unlikely, if a fire should occur inside the microwave oven, leave the door closed. Turn the power off by disconnecting the plug.
7. Do not attempt to remove the outer cabinet at any time.
8. Do not let anyone service the microwave oven except an authorized service person. Tampering by unauthorized persons will void the limited warranty.
9. Do not place more than 10 pounds on the turntable and attempt to operate the oven.
   The turntable will not turn.

THE DO'S AND DON'TS OF MICROWAVE COOKING

1. Do not place sealed jars, or food in vacuum tight containers in the oven. This includes air tight foods such as eggs or nuts in their shells. They may explode when heated.
2. Pierce the skins of potatoes, tomatoes and other such foods before cooking.
3. Pierce holes in plastic wrap when using it to cover containers. This allows steam to escape.
4. Do not wrap foods in aluminum foil for cooking. Microwaves cannot penetrate metal, therefore, no cooking will take place. Small amounts of foil may be used to shield food areas from overcooking.
5. Do not use wire twist ties on paper or plastic bags. They become hot and can cause a fire. Replace them with string or a strip of plastic.
6. Do not dry wet newspaper in the microwave oven, or use newspaper in the microwave oven to cook on. The newspaper could catch fire.
7. Do not use recycled paper products in the microwave oven. Some recycled paper may contain metal particles which could cause arcing or a fire.
8. When food is removed from the oven, it continues to cook for a short period of time. To avoid overcooking, remove food slightly before it is done and allow for standing time to complete the cooking.
9. Moisture condensation around the door or on the oven walls is normal, particularly when cooking foods with a high water content. Steam escapes from the food and condenses on the cool walls and door.
10. Browning dishes are suitable for use in your microwave oven. Leave the turntable in place and preheat exactly as long as the dish instructions require. Under no circumstances should a browning dish be heated any longer than the instructions indicate.
11. Do not attempt to pop popcorn any other way than in a specially designed microwave popcorn popper.

CARE AND CLEANING OF YOUR MICROWAVE OVEN

Be sure the oven is turned off before cleaning any part.

INTERIOR

Wipe the oven walls, ceiling, door inside and turntable with a paper towel or damp cloth. Remove greasy splatters with a sudsy cloth, rinse and dry. Do not use scouring pads, powder or other abrasive materials. Use only non-abrassive plastic scrubbing pads.

To loosen hardened food particles, place a measuring cup filled with water on the turntable and operate the oven on HIGH. until the water boils. The steam will loosen any stubborn particles.

A buildup of grease or food particles on the oven interior can result in damage to the unit as well as loss of cooking power.

To get rid of oven odours, mix a little lemon juice or lemon peels with about one cup of water and microwave at HIGH for 5 minutes. Wipe oven interior with a clean cloth.

NEVER POUR WATER INTO THE OVEN

As a safety measure, frequently wipe the sealing surface. The turntable is removable. To clean spills, remove and wash in sink or dishwasher. Do not put hot turntable in water or on a very cold surface. Periodic cleaning under the turntable may be required.

EXTERIOR

The outer cabinet is painted. Clean with a cloth or sponge moistened in mild detergent solution, and then dry with a clean cloth. Avoid spilling water in vents. Never wipe with benzine, thinner, or chemical solvent.

The panel is best wiped with a damp cloth, and then wiped immediately with a dry cloth.

The door window's outer pane is plastic. Use a damp cloth to wipe clean. Never wipe with benzine, thinner, or chemical solvent.

STORAGE

If you must store your microwave oven, choose a dry, dust-free place. Dust and dampness can affect the oven's Working parts.

COOKWARE

Microwaves heat only the food, so you can use the same utensil for cooking and serving. A suitable plate will only be slightly warm from the heat of the food. Suitable cookware includes:

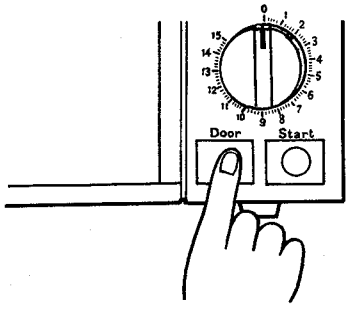
* Heat resistant glassware, Pyrex®, Pyroceram®, Corningware®, some heavy china, ceramics and pottery.
* Paper plates, paper towels, plastic wrap and wax paper.
* Microwave-approved plastics

Do not use metal or metal trimmed cookware, non microwave-approved plastics, or delicate tableware that may crack with rapid temperature change.

For further information, see "Microwave Cooking Guide".

OPERATION

1. Push "DOOR" button to open door.

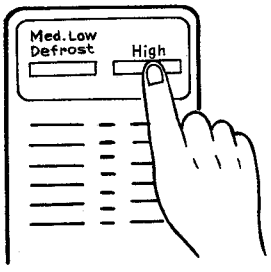


2. Place food on a container or plate, then put it on turntable in oven.

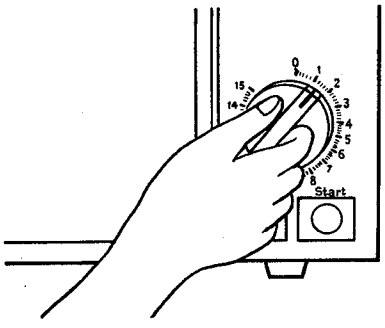
   IMPORTANT: Do not operate oven when empty.

3. Choose and push one of power select buttons: "HIGH" or "MED.LOW/DEFROST"

   NOTE: Use "MED.LOW/DEFROST" setting for defrosting and cooking delicate foods, softening and melting.



4. Set TIMER.



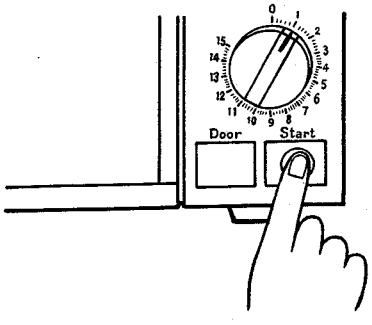
5. Close Door.

   Oven will not operate unless door is securely closed.

6. Push "START" button.

   Oven begins cooking. OVEN LIGHT turns on.

   NOTE: If you wish to stop cooking, simply turn timer to zero or open door.



7. When time is up, a bell rings and oven shuts off.
8. Push "DOOR" button to open door and take food out.

MANUFACTURER'S RECOMMENDATIONS

Becoming familiar with any new appliance takes a little time. If you experience any of the problems listed below, try our solutions. They may save you the time and inconvenience of an unnecessary service call.

MICROWAVE OVEN DOESN'T START

1. Is the oven plugged in?
2. Is the door closed?
3. Have you overloaded the circuit and caused a fuse to blow?

CONDENSATION ON DOOR INSIDE

1. This is normal, especially with high moisture foods.

SPARKS AND CRACKLING WITHIN CAVITY (ARCING)

1. Are you using dishes with metal trim?
2. Have you left a fork or other metal utensil in the oven?
3. Are you using a large amount of metal foil?
4. Are you using a non-microwave metal thermometer?
5. Are you using recycled paper products?
6. Are you using a metal twist-tie, as with a cooking bag?

FOOD IS OVERCOOKED

1. Did you allow for standing time?
2. Do you have the air vents blocked or covered?
3. Does your neighborhood receive high voltage?
4. Did you set the proper time ?
5. Did you select the proper power level ?

FOOD IS UNDERCOOKED

1. Do you have other appliances in use on the same circuit as your microwave oven ?
2. Are you operating the oven at peak power draw times ?
3. Does your neighborhood receive low voltage?
4. Did you set the proper time ?
5. Did you select the proper power level ?

AIR MOVEMENT IS FELT AROUND THE DOOR

1. Air movement around the door is normal. The door is not meant to be air tight. Excessive air movement should be checked.

SPECIFICATIONS

Power Source:	120 Volts A.C., 60 Hz single phase minimum 15 Amp. circuit, three-wire grounding	
Power Consumption:	990 Watts	
Power Output	500 Watts (2 liter water load)	
Oscillating Frequency:	2450 MHz (Mc/s)	
Exterior Dimensions:	Width	19 – 5/8 in. (497mm)
	Depth	14 – 1/8 in. (360mm)
	Height	13 in. (330mm)
Oven Dimensions:	Width	11– 7/8 in. (300mm)
	Depth	12 in. (305mm)
	Height	7 –1/8 in. (180mm)
Weight:	37 lbs. (17kg)	

SERVICE WILL BE PERFORMED IN ACCORDANCE WITH THE TERMS OF THE WARRANTY AS DETAILED ON YOUR WARRANTY CARD.
For information concerning repairs, operation or technical assistance, please contact the Service Manager of the Regional Office.

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